

PARTS CATALOG

**FOR
ONAN ELECTRIC
GENERATING PLANTS**

**Series
EL**

Spec.

G & H

Models

10EL-3R
9EL-53R

10EL-4R
9EL-54R

10EL-5R
9EL-55R

D. W. ONAN & SONS INC. MINNEAPOLIS 14, MINN.

FORM 904-3

Important Safety Precautions

Read and observe these safety precautions when using or working on electric generators, engines and related equipment. Also read and follow the literature provided with the equipment.

Proper operation and maintenance are critical to performance and safety. Electricity, fuel, exhaust, moving parts and batteries present hazards that can cause severe personal injury or death.

FUEL, ENGINE OIL, AND FUMES ARE FLAMMABLE AND TOXIC

Fire, explosion, and personal injury can result from improper practices.

- Used engine oil, and benzene and lead, found in some gasoline, have been identified by government agencies as causing cancer or reproductive toxicity. When checking, draining or adding fuel or oil, do not ingest, breathe the fumes, or contact gasoline or used oil.
- Do not fill tanks with engine running. Do not smoke around the area. Wipe up oil or fuel spills. Do not leave rags in engine compartment or on equipment. Keep this and surrounding area clean.
- Inspect fuel system before each operation and periodically while running.
- Equip fuel supply with a positive fuel shutoff.
- Do not store or transport equipment with fuel in tank.
- Keep an ABC-rated fire extinguisher available near equipment and adjacent areas for use on all types of fires except alcohol.
- Unless provided with equipment or noted otherwise in installation manual, fuel lines must be copper or steel, secured, free of leaks and separated or shielded from electrical wiring.
- Use approved, non-conductive flexible fuel hose for fuel connections. Do not use copper tubing as a flexible connection. It will work-harden and break.

EXHAUST GAS IS DEADLY

- Engine exhaust contains carbon monoxide (CO), an odorless, invisible, poisonous gas. Learn the symptoms of CO poisoning.
- Never sleep in a vessel, vehicle, or room with a genset or engine running unless the area is equipped with an operating CO detector with an audible alarm.
- Each time the engine or genset is started, or at least every day, thoroughly inspect the exhaust system. Shut down the unit and repair leaks immediately.

- Warning: Engine exhaust is known to the State of California to cause cancer, birth defects and other reproductive harm.

Make sure exhaust is properly ventilated.

- Vessel bilge must have an operating power exhaust.
- Vehicle exhaust system must extend beyond vehicle perimeter and not near windows, doors or vents.
- Do not use engine or genset cooling air to heat an area.
- Do not operate engine/genset in enclosed area without ample fresh air ventilation.
- Expel exhaust away from enclosed, sheltered, or occupied areas.
- Make sure exhaust system components are securely fastened and not warped.

MOVING PARTS CAN CAUSE SEVERE PERSONAL INJURY OR DEATH

- Do not remove any guards or covers with the equipment running.
- Keep hands, clothing, hair, and jewelry away from moving parts.
- Before performing any maintenance, disconnect battery (negative [-] cable first) to prevent accidental starting.
- Make sure fasteners and joints are secure. Tighten supports and clamps, keep guards in position over fans, drive belts, etc.
- If adjustments must be made while equipment is running, use extreme caution around hot manifolds and moving parts, etc. Wear safety glasses and protective clothing.

BATTERY GAS IS EXPLOSIVE

- Wear safety glasses and do not smoke while servicing batteries.
- Always disconnect battery negative (-) lead first and reconnect it last. Make sure you connect battery correctly. A direct short across battery terminals can cause an explosion. Do not smoke while servicing batteries. Hydrogen gas given off during charging is explosive.
- Do not disconnect or connect battery cables if fuel vapors are present. Ventilate the area thoroughly.

DO NOT OPERATE IN FLAMMABLE AND EXPLOSIVE ENVIRONMENTS

Flammable vapor can be ignited by equipment operation or cause a diesel engine to overspeed and become difficult to stop, resulting in possible fire, explosion, severe personal injury and death. **Do not operate diesel equipment where a flammable vapor environment can be created by fuel spill, leak, etc., unless equipped with an automatic safety device to block the air intake and stop the engine.**

HOT COOLANT CAN CAUSE SEVERE PERSONAL INJURY

- Hot coolant is under pressure. Do not loosen the coolant pressure cap while the engine is hot. Let the engine cool before opening the pressure cap.

ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH

- Do not service control panel or engine with unit running. High voltages are present. Work that must be done while unit is running should be done only by qualified service personnel.
- Do not connect the generator set to the public utility or to any other electrical power system. Electrocutation can occur at a remote site where line or equipment repairs are being made. An approved transfer switch must be used if more than one power source is connected.
- Disconnect starting battery (negative [-] cable first) before removing protective shields or touching electrical equipment. Use insulative mats placed on dry wood platforms. Do not wear jewelry, damp clothing or allow skin surface to be damp when handling electrical equipment.
- Use insulated tools. Do not tamper with interlocks.
- Follow all applicable state and local electrical codes. Have all electrical installations performed by a qualified licensed electrician. Tag open switches to avoid accidental closure.
- With transfer switches, keep cabinet closed and locked. Only authorized personnel should have cabinet or operational keys. Due to serious shock hazard from high voltages within cabinet, all service and adjustments must be performed by an electrician or authorized service representative.

If the cabinet must be opened for any reason:

1. Move genset operation switch or Stop/Auto/Handcrank switch (whichever applies) to Stop.
2. Disconnect genset batteries (negative [-] lead first).
3. Remove AC power to automatic transfer switch. If instructions require otherwise, use extreme caution due to shock hazard.

MEDIUM VOLTAGE GENERATOR SETS (601V TO 15kV)

- Medium voltage acts differently than low voltage. Special equipment and training are required to work on or around medium voltage equipment. Operation and maintenance must be done only by persons trained and qualified to work on such devices. Improper use or procedures will result in severe personal injury or death.
- Do not work on energized equipment. Unauthorized personnel must not be permitted near energized equipment. Induced voltage remains even after equipment is disconnected from the power source. Plan maintenance with authorized personnel so equipment can be de-energized and safely grounded.

GENERAL SAFETY PRECAUTIONS

- Do not work on equipment when mentally or physically fatigued or after consuming alcohol or drugs.
- Carefully follow all applicable local, state and federal codes.
- Never step on equipment (as when entering or leaving the engine compartment). It can stress and break unit components, possibly resulting in dangerous operating conditions from leaking fuel, leaking exhaust fumes, etc.
- Keep equipment and area clean. Oil, grease, dirt, or stowed gear can cause fire or damage equipment by restricting airflow.
- Equipment owners and operators are solely responsible for operating equipment safely. Contact your authorized Onan/Cummins dealer or distributor for more information.

KEEP THIS DOCUMENT NEAR EQUIPMENT FOR EASY REFERENCE.

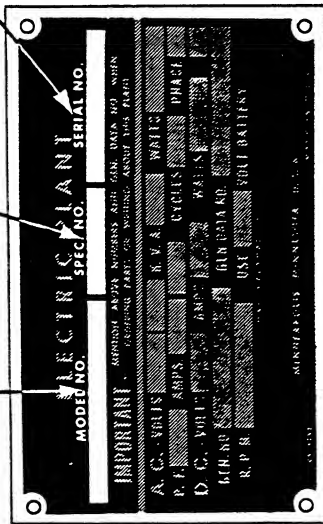
INSTRUCTIONS FOR ORDERING REPAIR PARTS

FOR PARTS OR SERVICE, CONTACT THE DEALER FROM WHOM
YOU PURCHASED THIS EQUIPMENT OR REFER TO YOUR NEAR-
EST AUTHORIZED SERVICE STATION.

TO AVOID ERRORS OR DELAY IN FILLING YOUR PARTS ORDER, PLEASE FURNISH ALL INFORMATION REQUESTED.

REFER TO THE NAMEPLATE ON YOUR UNIT

1. Always give the Model No. -----, Spec. No. -----, and Serial No. -----.



2. Order only parts that have a quantity shown under the "Parts Reference Letter" that applies to your plant. These letters are listed under "Quantity Used" in the parts list. "Parts Reference Letters" are given in the Data Table on page 1.

3. Do not order by reference number or group number, use part number and description.

4. Give the part number, description and quantity needed of each item. If an old part cannot be identified, return the part prepaid to your dealer or nearest AUTHORIZED SERVICE STATION. Print your name and address plainly on the package. Write a letter to the same address stating the reason for returning the part.

5. State definite shipping instructions.

Any claim for loss or damage to your unit in transit should be filed promptly against the transportation company making the delivery. Shipments are complete unless the packing list indicates items are back ordered.

PRICES SHOWN IN THIS PARTS LIST ARE F.O.B. MINNEAPOLIS, MINN. AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

EL SERIES PARTS LIST

This Parts List applies specifically to the EL Series generating plants of the standard model and SPECIFICATION designations as shown in the Plant Data Table. For generating plants which carry a different MODEL or SPEC. designation on the nameplate, use the parts list as a general guide in selecting the necessary parts. Be sure to supply the MODEL, SPEC., and SERIAL NO. of the plant.

The Parts Reference Letters A, B, C, D, E, and F in the last column of the Plant Data Table refer to corresponding columns under "Quantity Used" in the Parts List. To determine which column applies to your plant, proceed as follows.

1. Compare the model and other nameplate data (volts, phase, wires, etc.) of your plant with the Data Table.
2. Select the line in the table that agrees with your plant.
3. The Parts Reference Letter for this line indicates the column (A, B, C, etc.) to use in the Parts List. Only those parts that have a quantity shown in this column apply to your plant.

When a serial number is referred to in a part description, check it against the serial number on the plant nameplate, using only the numbers after the dash in the serial number.

Plant Data Table

MODEL	SPEC. NO.	TYPE OF PLANT	WATTS	CYCLES	VOLTS	PHASE	WIRES	PARTS REF. LETTER
10EL-3R	1G, 1H	HOUSED	10,000	60	115/230	1	3	A
9EL-53R	1G, 1H	HOUSED	9,000	50	115/230	1	3	A
10EL-4R	1G, 1H	HOUSED	10,000	60	120/208	3	4	B
9EL-54R	1G, 1H	HOUSED	9,000	50	120/208	3	4	B
10EL-5R	1G, 1H	HOUSED	10,000	60	230	3	3	C
9EL-55R	1G, 1H	HOUSED	9,000	50	230	3	3	C
10EL-3R	8G, 8H	UNHOUSED	10,000	60	115/230	1	3	D
9EL-53R	8G, 8H	UNHOUSED	9,000	50	115/230	1	3	D
10EL-4R	8G, 8H	UNHOUSED	10,000	60	120/208	3	4	E
9EL-54R	8G, 8H	UNHOUSED	9,000	50	120/208	3	4	E
10EL-5R	8G, 8H	UNHOUSED	10,000	60	230	3	3	F
9EL-55R	8G, 8H	UNHOUSED	9,000	50	230	3	3	F

* SPEC 12 INDICATES GAS-GASOLINE EQUIPMENT.
SPEC 38 INDICATES MOUNTED FUEL TANK.

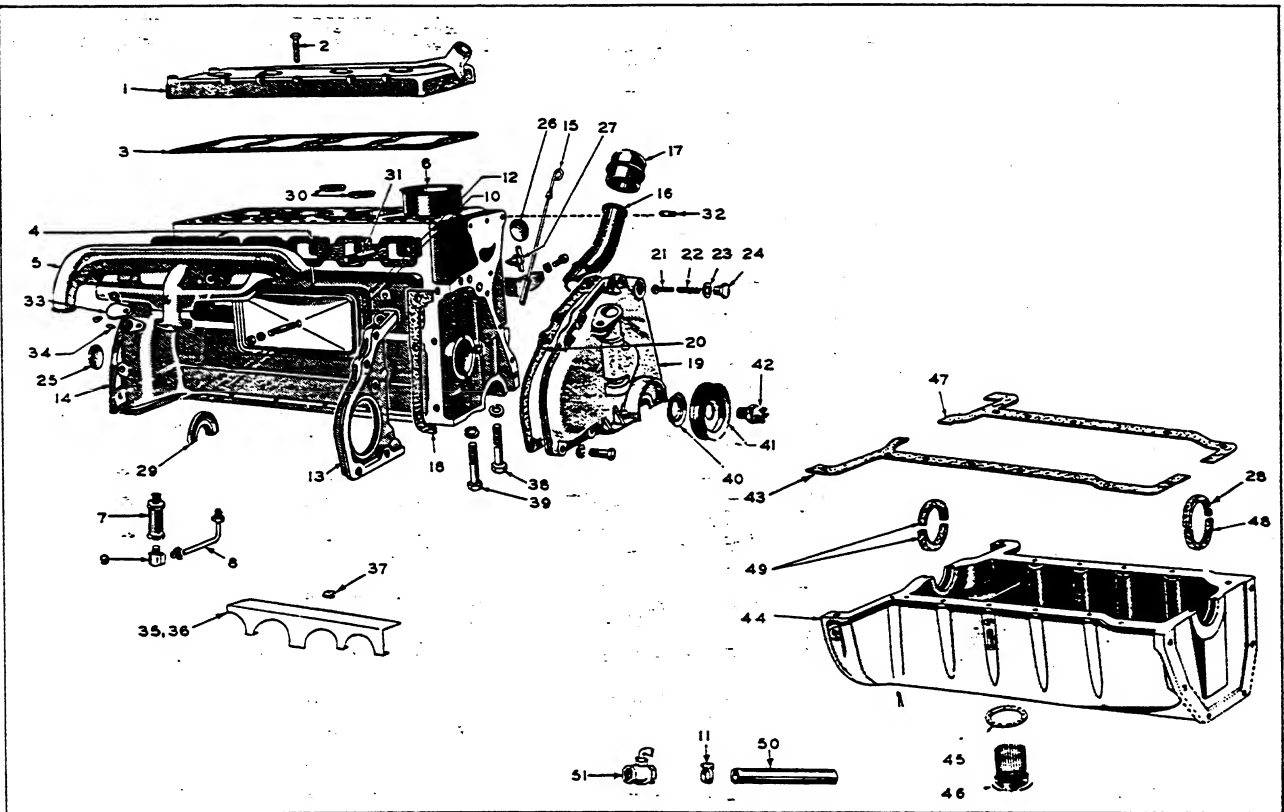


FIG.1 CYLINDER BLOCK GROUP, External

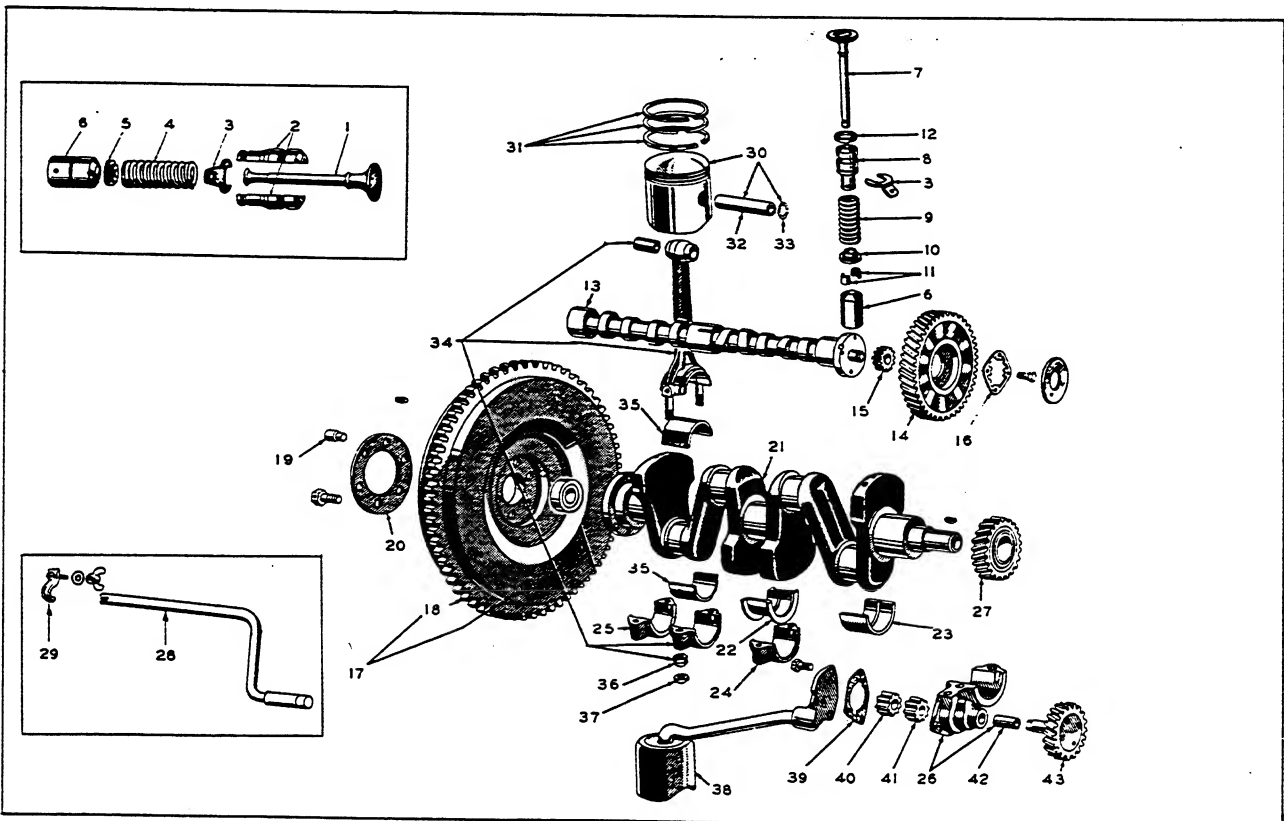


FIG.2 CYLINDER BLOCK GROUP, Internal

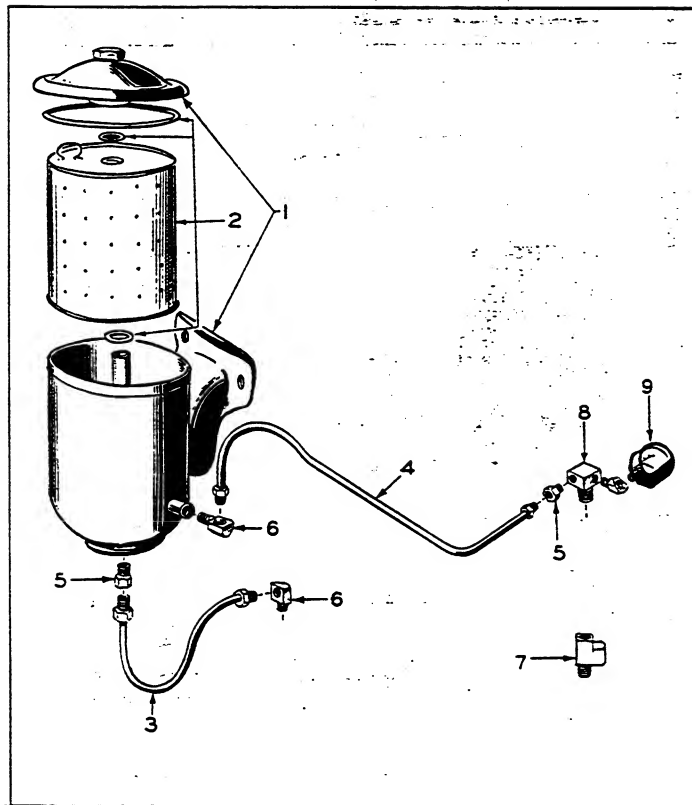


FIG.3 OIL FILTER GROUP

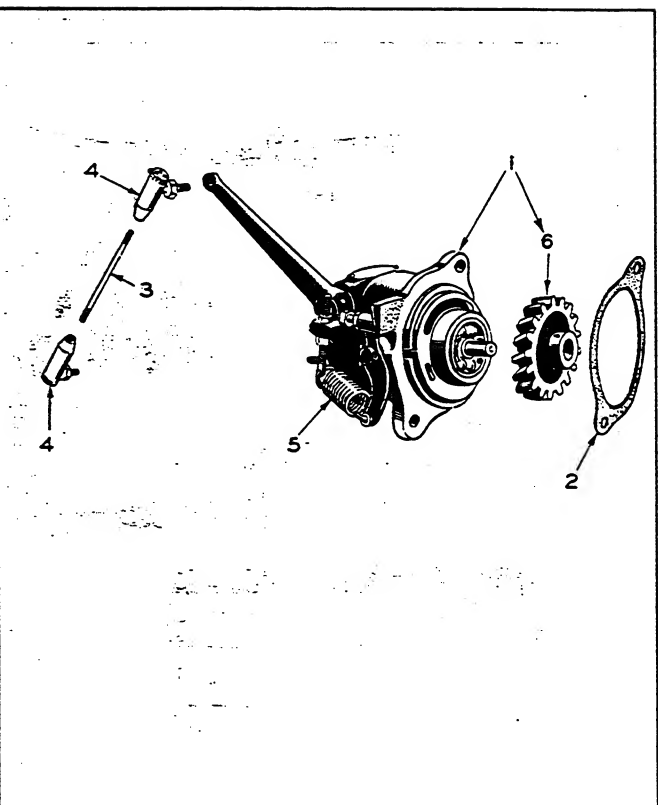


FIG.4 GOVERNOR GROUP

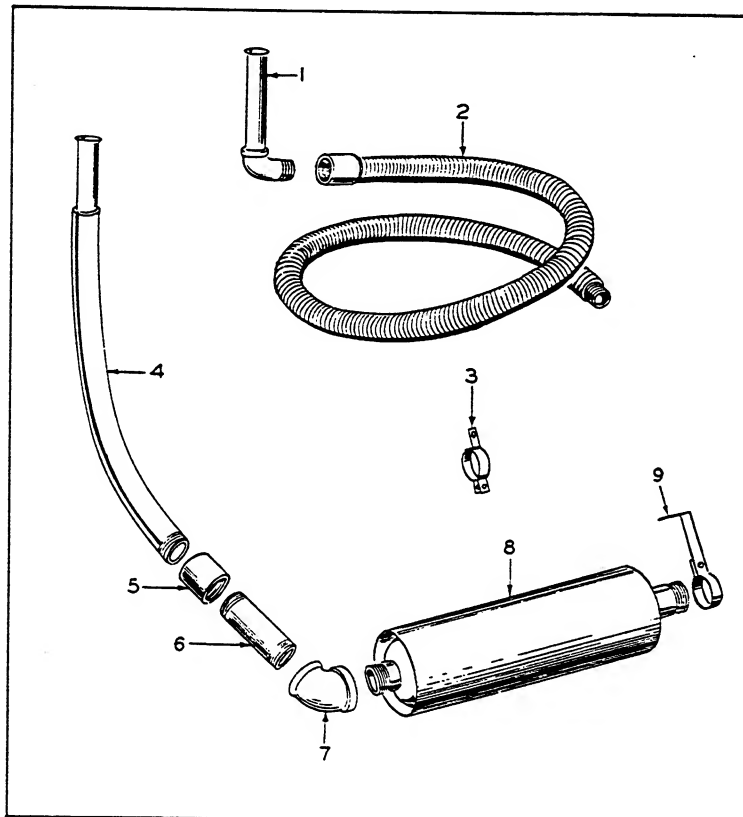


FIG.5 MUFFLER GROUP

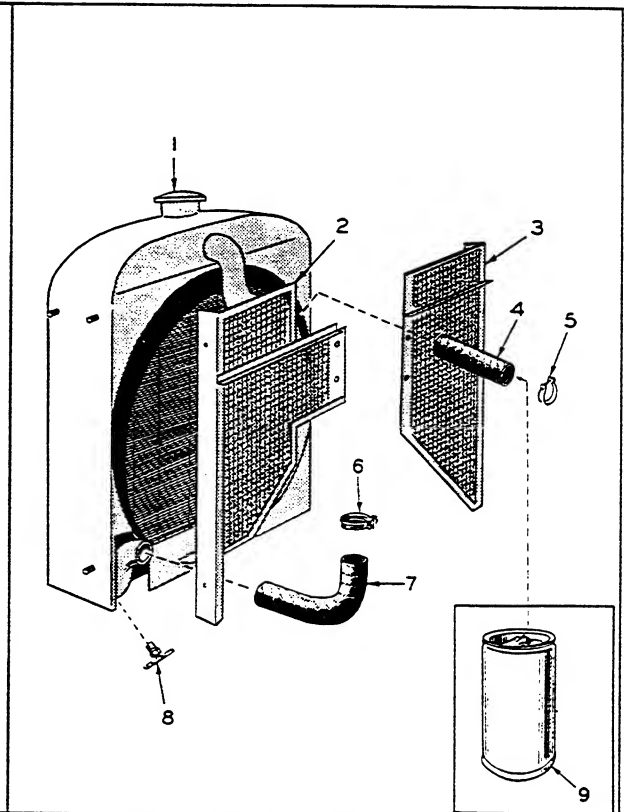


FIG.6 RADIATOR GROUP

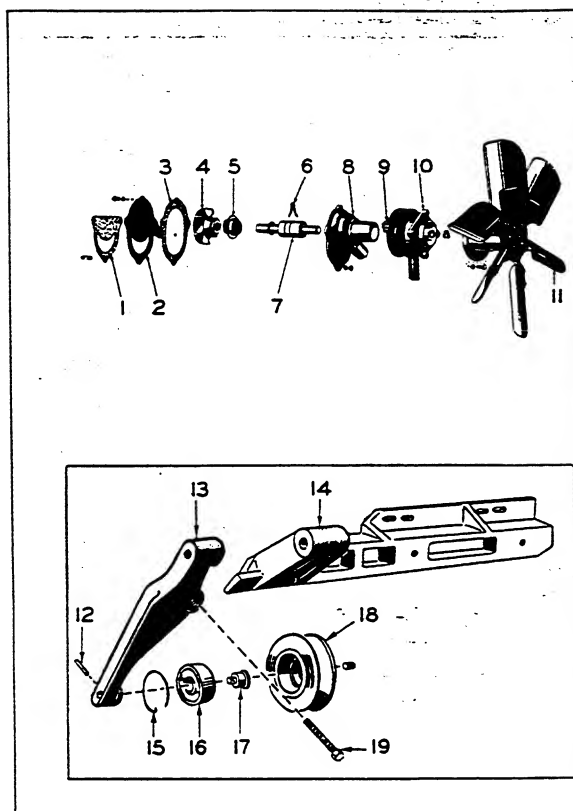


FIG. 7 WATER PUMP GROUP

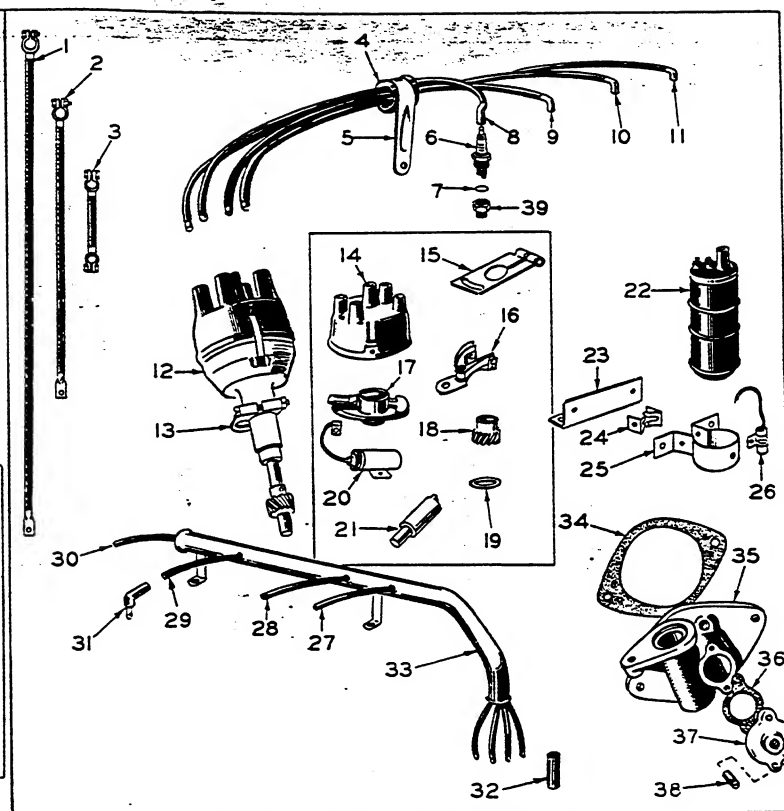


FIG. 8 IGNITION GROUP

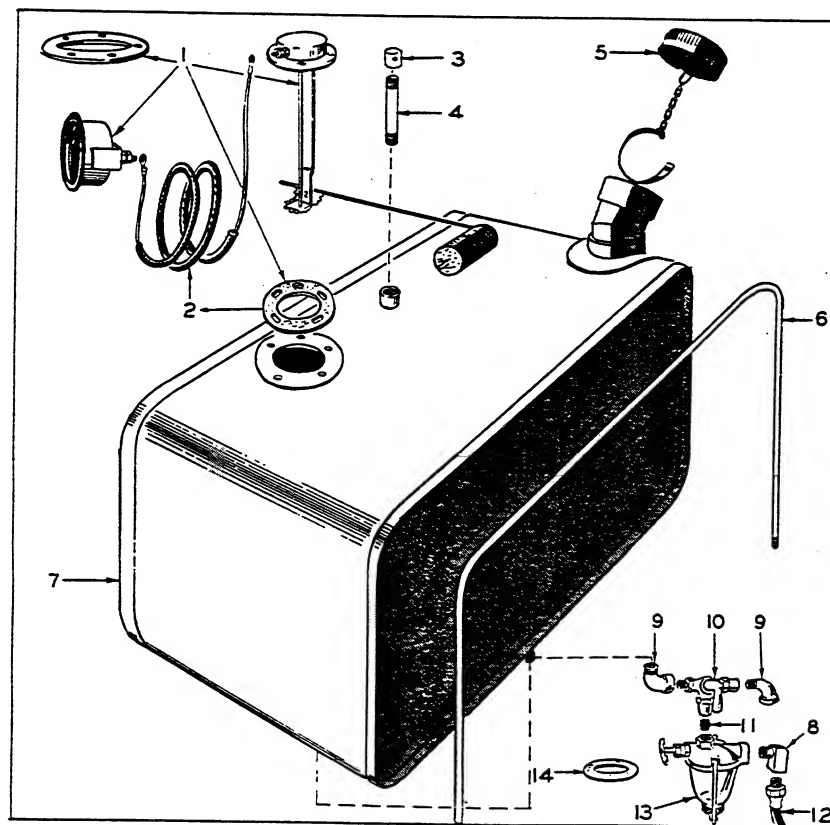


FIG. 9 MOUNTED FUEL TANK GROUP

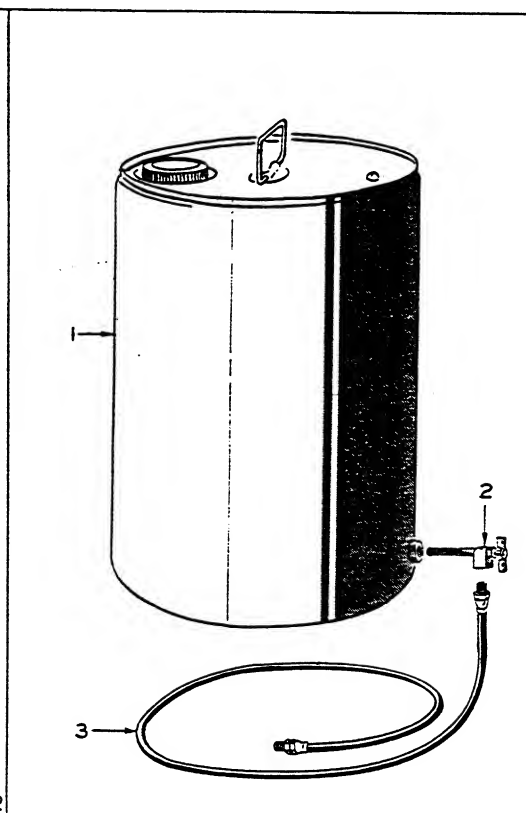


FIG. 10 SEPARATE FUEL TANK GROUP

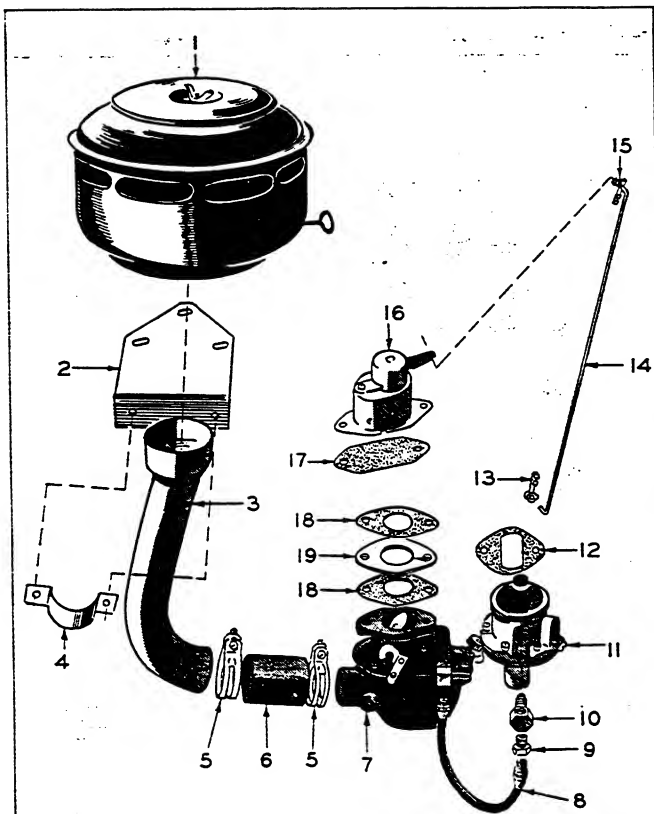


FIG.11 FUEL SYSTEM GROUP, Gasoline

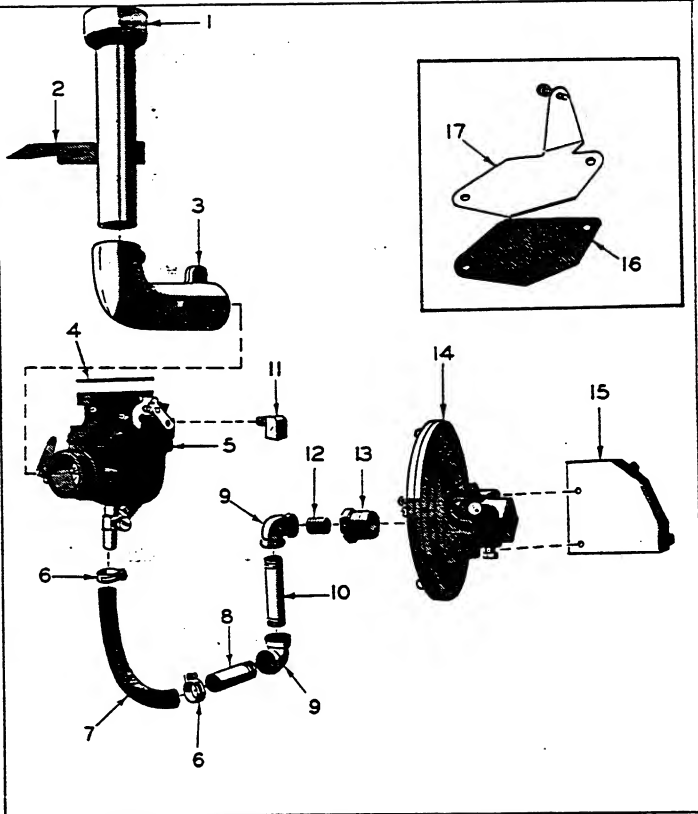


FIG.12 FUEL SYSTEM GROUP, Gas

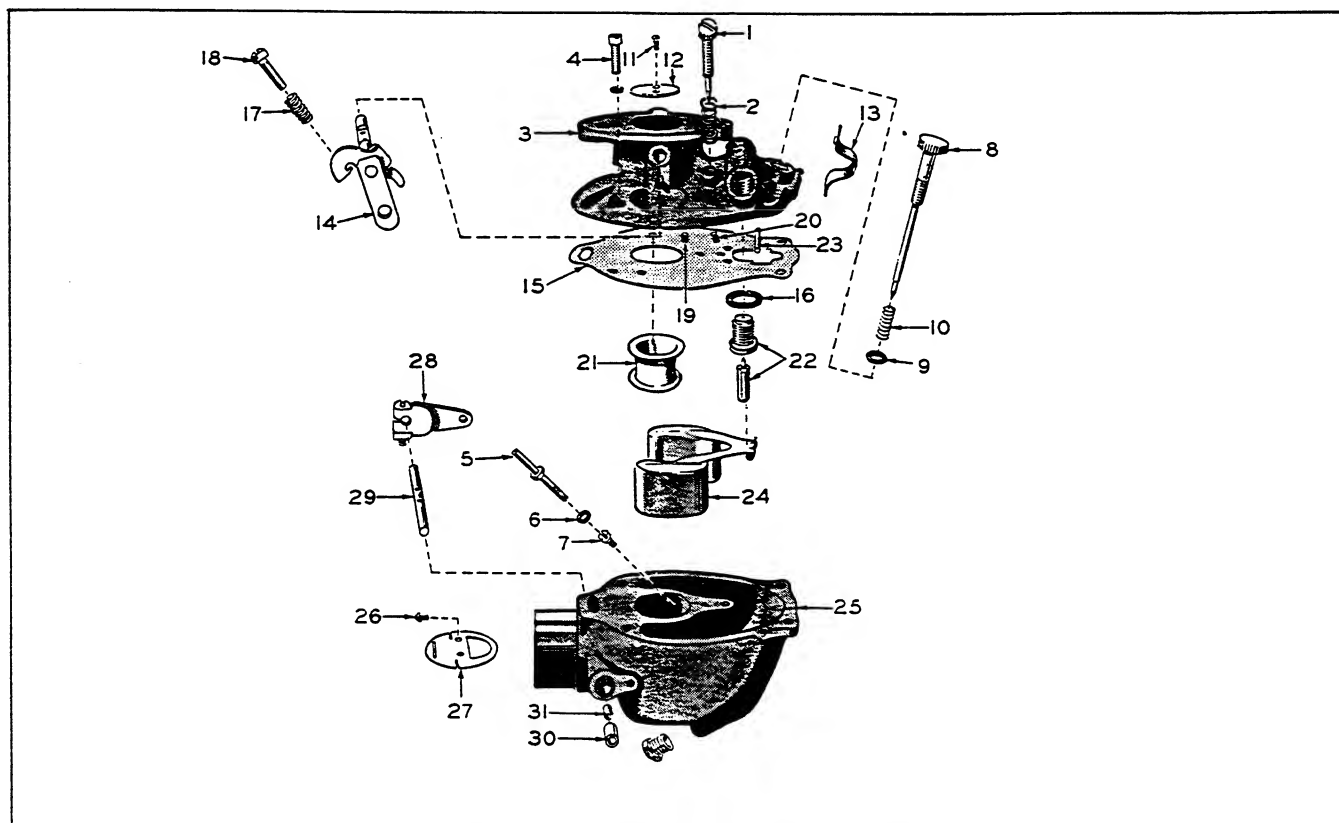


FIG.13 CARBURETOR GROUP

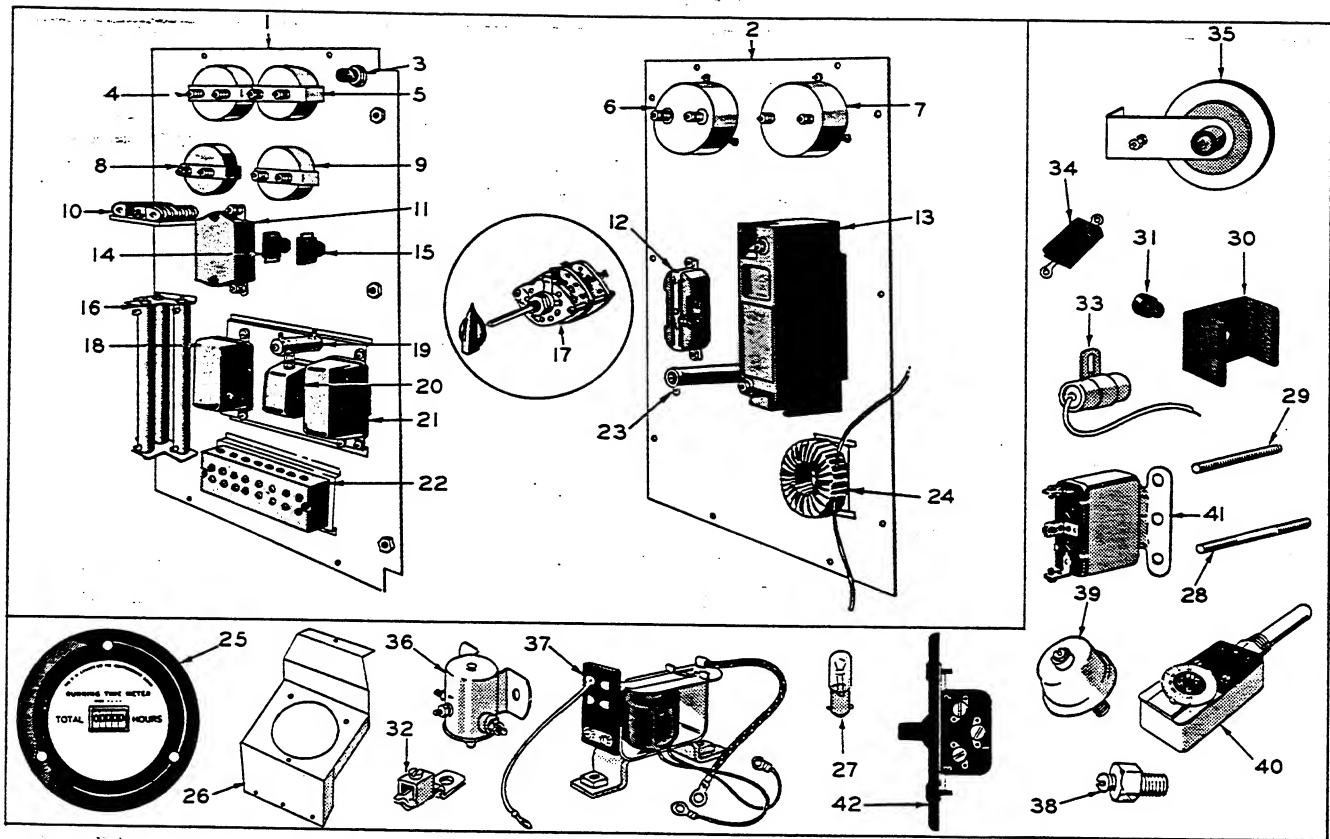


FIG.14 CONTROL GROUP, Housed Plant

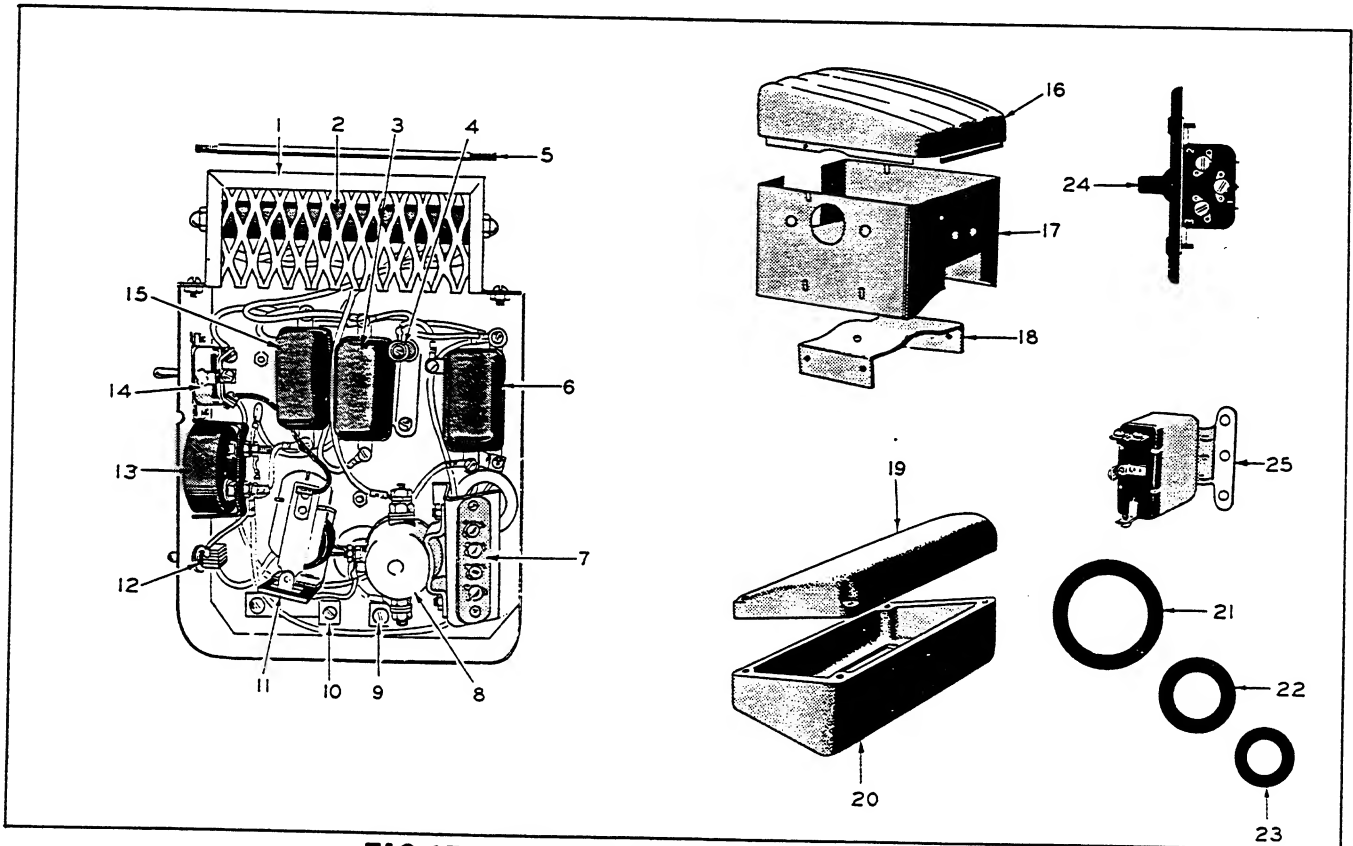


FIG.15 CONTROL GROUP, Unhoused Plant

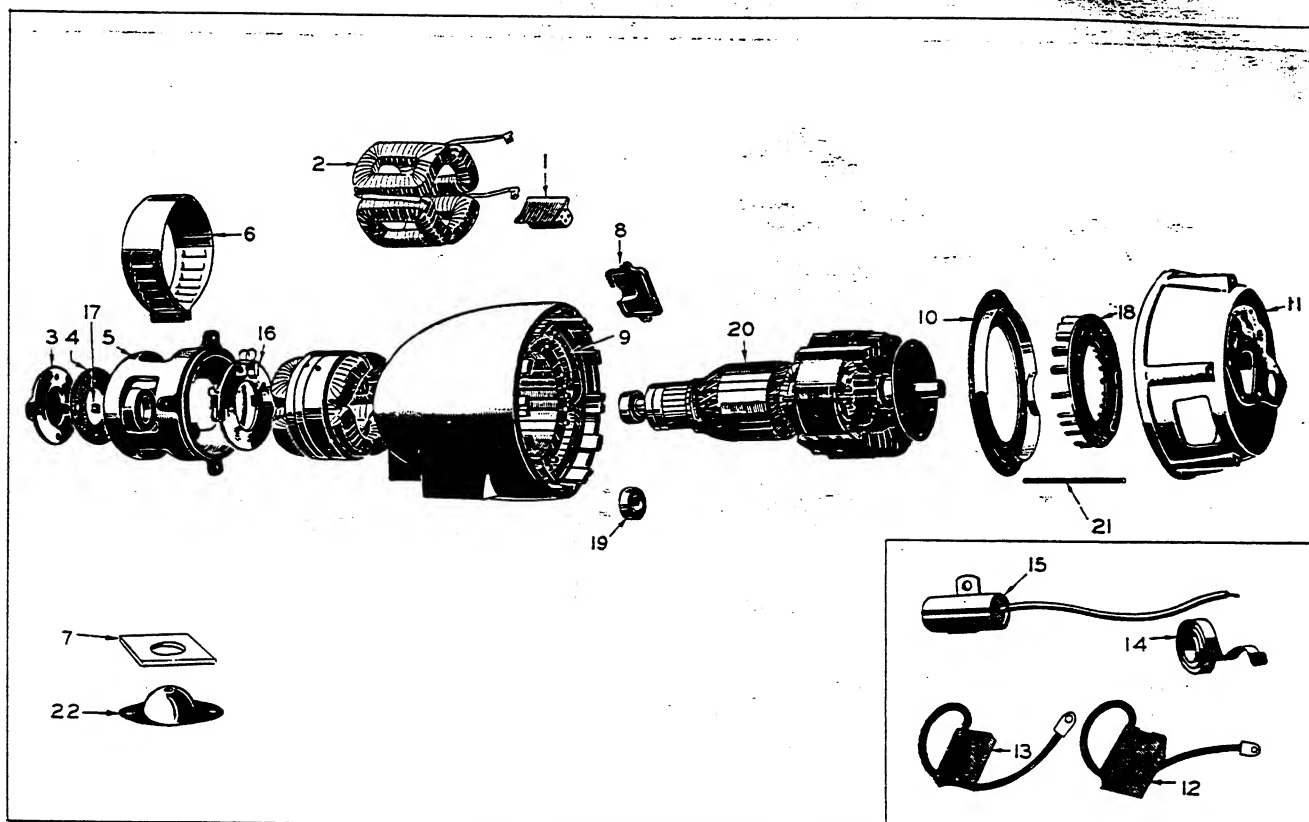


FIG. 16 GENERATOR GROUP

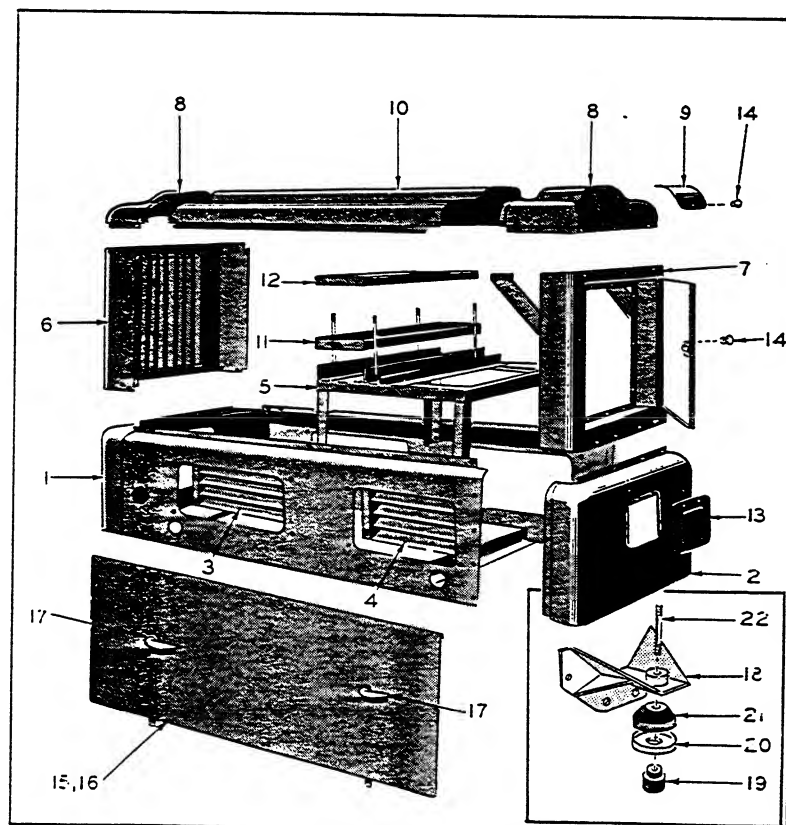


FIG. 17 HOUSING GROUP

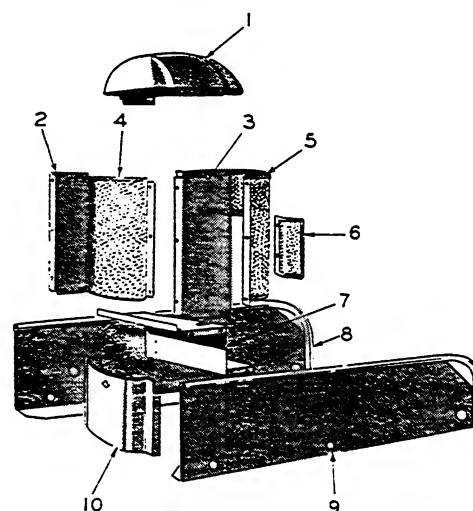


FIG. 18 MOUNTING GROUP, Unhoused

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
CYLINDER BLOCK GROUP EXTERNAL Fig. 1									
1	110B509	Head, Cylinder - Replaces 2NC-6050	1	1	1	1	1	1	**
2	8N-6065-A1-A2	Bolt, Cylinder Head - Replaces Stud #18-6066	18	18	18	18	18	18	
3	8N-6051	Gasket, Cylinder Head - Replaces 9N-6051	1	1	1	1	1	1	1.10
4	76258	Gasket, Manifold to Cyl. Block	2	2	2	2	2	2	.35
5	154B107	Manifold, Intake and Exhaust - Replaces 2NC-9425	1	1	1	1	1	1	**
6	99A-6055	Sleeve, Cylinder	4	4	4	4	4	4	2.35
7	123-188	Valve Assembly, Breather	1	1	1	1	1	1	**
8	123A190	Tube Assembly, Breather	1	1	1	1	1	1	**
9	502-42	Elbow, Breather Tube	1	1	1	1	1	1	**
10	7HA-6520	Cover, Front Valve Chamber - Replaces 2N-6520	1	1	1	1	1	1	.50
10	123B282	Cover, Rear Valve Chamber - Replaces 123B189	1	1	1	1	1	1	**
11	503-96	Clamp, Oil Drain Hose	2	2	2	2	2	2	**
12	7HA-6521	Gasket, Valve Chamber Cover - Replaces 9N-6521	2	2	2	2	2	2	.15
13	8N-6017-B	Cover, Timing Gear Side - Beginning w/serial #417757	1	1	1	1	1	1	
13	9N-6017	Cover, Timing Gear Side - Prior to serial #417757	1	1	1	1	1	1	4.60
14	8N-6011-A	Block Assembly, Cylinder - Includes Valves, Pistons, Shaft, Gears - Prior to serial #417757	1	1	1	1	1	1	
14	8N-6010-A	Block Assembly, Cylinder - Includes Sleeves and Bearing Caps Only - Prior to serial #417757	1	1	1	1	1	1	
14	8N-6011-B	Block Assembly, Cylinder - Includes Valves, Pistons, Shafts, Gears, Beginning w/serial #417757	1	1	1	1	1	1	
14	8N-6010-B	Block Assembly, Cylinder - Includes Sleeves and Bearing Caps Only - Beginning w/serial #417757	1	1	1	1	1	1	
15	9N-6750-A1	Gauge, Oil Level	1	1	1	1	1	1	.20
16	8N-6763-B	Tube, Oil Fill - Replaces 123B216	1	1	1	1	1	1	
17	123A20	Cap Assembly, Oil Fill Tube	1	1	1	1	1	1	1.50
18	8N-6018	Gasket, Timing Gear Side Cover - Replaces 9N-6018	1	1	1	1	1	1	
19	8N-6019-B	Cover, Timing Gear Front - Beginning W/serial #417757 ...	1	1	1	1	1	1	

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

19	2N-6019	Cover, Timing Gear Front - Prior to Serial #417757	1	1	1	1	1	1	
20	8N-6020-C	Gasket, Front Cover - Beginning W/Serial #417757	1	1	1	1	1	1	
20	76256	Gasket, Front Cover - Prior to Serial #417757	1	1	1	1	1	1	.15
21	01A-6663	Plunger, Oil Pressure Relief Valve	1	1	1	1	1	1	.15
22	9N-6654	Spring, Plunger - Replaces 01A-6654	1	1	1	1	1	1	
23	167-24	Gasket, Pressure Relief Valve	1	1	1	1	1	1	**
24	68-6666	Nut, Pressure Relief Valve	1	1	1	1	1	1	.15
25	91A-6266	Seal, Camshaft Rear Bearing	1	1	1	1	1	1	.15
26	74120-S	Plug, Expansion - Cylinder Block	4	4	4	4	4	4	
27	9N-8115	Cock, Cylinder Block Drain	1	1	1	1	1	1	.40
28	B6700-A3	Packing, Crankshaft Front - Upper	1	1	1	1	1	1	.15
29	91A-6335	Seal, Oil - Crankshaft Rear - Upper	1	1	1	1	1	1	.50
30	40-6057-B	Insert, Intake Valve Seat	4	4	4	4	4	4	.50
30	52-6057-B	Insert, Exhaust Valve Seat	4	4	4	4	4	4	
31	88403-S	Stud, Manifold to Block	4	4	4	4	4	4	
32	88376-S8	Stud, Water Pump to Block	3	3	3	3	3	3	
33	8N-6087	Cover, Flywheel Timing Hole	1	1	1	1	1	1	
34	8N-6023	Pin, Timing	1	1	1	1	1	1	
35	110A347	Baffle, Valve Chamber - Left	1	1	1	1	1	1	**
36	110A348	Baffle, Valve Chamber - Right	1	1	1	1	1	1	**
37	406A45	Spring, Baffle	2	2	2	2	2	2	**
38	8N-6345A	Bolt, Crankshaft Bearing Cap	5	5	5	5	5	5	
39	8N-6346A	Bolt, Crankshaft Front Bearing Cap	1	1	1	1	1	1	
40	40-6310A	Slinger, Crankshaft Oil	1	1	1	1	1	1	.25
41	2N-6312	Pulley, Crankshaft	1	1	1	1	1	1	2.65
42	2N-6319-A1	Ratchet, Crankshaft Starting Crank	1	1	1	1	1	1	
43	8N-6710	Gasket, Oil Pan, - Right	1	1	1	1	1	1	
44	9N-6675	Pan, Oil	1	1	1	1	1	1	
45	102A52	Gasket, Oil Pan Drain Cap	1	1	1	1	1	1	.35
46	101A53	Cap Assembly, Oil Pan Drain	1	1	1	1	1	1	6.50
47	8N-6711	Gasket, Oil Pan - Left	1	1	1	1	1	1	
48	B-6700-A3	Packing, Crankshaft - Front - Lower	1	1	1	1	1	1	.15
49	91A-6347	Packing, Crankshaft - Rear	2	2	2	2	2	2	.15
50	503A95	Hose, Oil Drain - Beginning W/Serial #417757	1	1	1	1	1	1	**
51	504-11	Valve, Oil Drain -	1	1	1	1	1	1	**

**Price on request.

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
CYLINDER BLOCK GROUP, INTERNAL Fig. 2									
1	9N-6505-A	Valve - Exhaust - For 2 Piece Guide	4	4	4	4	4	4	1.05
1	11T-6505-A	Valve - Intake - For 2 Piece Guide	4	4	4	4	4	4	.95
2	40-6501-B	Guide, Valve - 2 Piece Design - Pair	8	8	8	8	8	8	.45
3	40-6512	Retainer, Valve Guide	8	8	8	8	8	8	.15
4	2NC-6513	Spring, Valve - For 2 Piece Guide	8	8	8	8	8	8	.20
5	40-6514-B	Retainer, Valve Spring - For 2 Piece Guide	8	8	8	8	8	8	.15
6	8BA-6500-A	Tappet, Valve - Replaces 91A-6500-A2	8	8	8	8	8	8	.60
7	8N-6505-A	Valve - Exhaust - For 1 Piece Guide	4	4	4	4	4	4	
7	8BA-6507-A	Valve - Intake - For 1 Piece Guide	4	4	4	4	4	4	
8	8BA-6510-B	Guide, Valve - 1 Piece Design	8	8	8	8	8	8	.55
9	8N-6513	Spring, Valve - For 1 Piece Guide	8	8	8	8	8	8	
10	8BA-6514	Seat, Valve Spring - For 1 Piece Guide	8	8	8	8	8	8	.15
11	7HA-6518	Key, Valve Spring Seat - Use With 8BA-6514	16	16	16	16	16	16	.15
12	8BA-6571	Seal, Intake Valve Guide - For 1 Piece Guide	4	4	4	4	4	4	.15
NOTE: Valve parts (valve, guide, spring, retainer) are interchangeable only as a group. Individual parts are not interchangeable between groups.									
13	8N-6250	Camshaft - Beginning W/Serial #417757	1	1	1	1	1	1	
13	2NC-6250	Camshaft - Prior to Serial #417757	1	1	1	1	1	1	
14	7RA-6256-A	Gear, Camshaft Timing - Replaces 91A-6256-A	1	1	1	1	1	1	5.45
15	7RA-6255	Gear, Distributor Drive - Beginning W/Serial #417757	1	1	1	1	1	1	1.05
16	91A-6258	Ring, Camshaft Gear Locking	1	1	1	1	1	1	.15
17	8N-6375	Flywheel & Ring Gear - Replaces 9N-6375	1	1	1	1	1	1	
18	9N-6384	Gear, Flywheel Ring	1	1	1	1	1	1	3.30
19	B-6387-A	Dowel, Flywheel to Crankshaft	2	2	2	2	2	2	.15
20	7RA-7609	Retainer Ring - Flywheel Dowel	1	1	1	1	1	1	.20

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

21	9N-6303-A	Crankshaft	1	1	1	1	1	1	37.10
22	9N-6331-A	Bearing, Crankshaft Center - Upper or Lower	2	2	2	2	2	2	1.30
23	9N-6333-A	Bearing, Crankshaft Front or Rear - Upper or Lower	4	4	4	4	4	4	.65
24	9N-6330	Cap, Crankshaft Center Bearing	1	1	1	1	1	1	1.95
25	9N-6325	Cap, Crankshaft Rear Bearing	1	1	1	1	1	1	2.00
26	8N-6603	Cap, Crankshaft Front Bearing & Oil Pump Body - Beginning W/Serial #417757	1	1	1	1	1	1	
26	9N-6603	Cap, Crankshaft Front Bearing & Oil Pump Body - Prior to Serial #417757	1	1	1	1	1	1	5.95
27	48-6306-A	Gear, Crankshaft	1	1	1	1	1	1	2.05
28	192B4	Crank, Manual Starting	1	1	1	1	1	1	1.35
29	405A44	Clamp, Starting Crank	1	1	1	1	1	1	.20
30	8N-6108	Piston - Aluminum - W/Pin - Use Only in Complete Sets of 4 When Replacing Steel Pistons	4	4	4	4	4	4	
30	2N-6110A	Piston - Steel W/Pin - Use 8N-6108 When Replacing All 4 ...	4	4	4	4	4	4	
31	8N-6149-A	Ring Set, Piston - For 4 Pistons - For Aluminum Pistons Only	1	1	1	1	1	1	5.10
31	INCS-6149-A	Ring Set, Piston - For 4 Pistons - For Steel Pistons Only ...	1	1	1	1	1	1	4.20
32	19A-6135-A	Pin, Piston - For Steel or Aluminum Piston	4	4	4	4	4	4	.50
33	78-6140	Ring, Piston Pin Retaining	8	8	8	8	8	8	.15
34	9N-6200-B	Rod, Connecting - Less Bearing - W/ Nuts	4	4	4	4	4	4	4.80
35	9N-6211-A	Bearing, Connecting Rod - Upper or Lower	8	8	8	8	8	8	.60
36	7HA-6212	Nut, Connecting Rod	8	8	8	8	8	8	.15
37	45218-S	Nut, Connecting Rod Nut Lock	8	8	8	8	8	8	
38	8N-6615	Tube Assembly, Inlet - Beginning W/Serial #417757	1	1	1	1	1	1	
38	9N-6615	Tube Assembly, Inlet - Prior to Serial #417757	1	1	1	1	1	1	
39	76255	Gasket, Oil Pump	1	1	1	1	1	1	.15
40	8N-6610	Gear, Oil Pump Driven - Internal - Beginning W/Serial #417757	1	1	1	1	1	1	
40	52-6610	Gear, Oil Pump Driven - Internal - Prior to Serial #417757 ..	1	1	1	1	1	1	
41	8N-6614	Gear, Oil Pump Drive - Internal - Beginning W/Serial #417757	1	1	1	1	1	1	
41	52-6614-B	Gear, Oil Pump Drive - Internal - Prior to Serial #417757 ...	1	1	1	1	1	1	1.15
42	9N-6612-A	Bushing, Oil Pump Body	1	1	1	1	1	1	
43	8N-6608	Gear and Shaft - Oil Pump Drive - Beginning W/Serial #417757	1	1	1	1	1	1	
43	9N-6608	Gear and Shaft - Oil Pump Drive - Prior to Serial #417757 ...	1	1	1	1	1	1	

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
OIL FILTER GROUP Fig. 3									
1	122-41	Filter, Oil	1	1	1	1	1	1	**
2	122-37	Cartridge, Oil Filter	1	1	1	1	1	1	1.65
3	122A43	Line, Oil - Filter Outlet	1	1	1	1	1	1	**
4	122C44	Line, Oil - Filter Inlet	1	1	1	1	1	1	**
5	502-3	Connector, Straight - Oil Filter Line	1	1	1	1	1	1	.25
6	502-2	Elbow, Oil Filter Line	1	1	1	1	1	1	.20
7	502-58	Tee - Oil Line				1	1	1	**
8	502A64	Tee - Oil Line - Pressure Element	1	1	1				1.20
9	193-33	Gauge, Oil Pressure				1	1	1	2.00
GOVERNOR GROUP Fig. 4									
1	151-32	Governor Assembly - Includes Gear	1	1	1	1	1	1	39.50
2	103A53	Gasket, Governor Mounting	1	1	1	1	1	1	.15
3	520A198	Stud, Governor Linkage	1	1	1	1	1	1	**
4	150-69	Joint, Ball - Governor Linkage	2	2	2	2	2	2	1.00
5	75862B	Spring, Governor	1	1	1	1	1	1	**
6	G-6427	Gear, Governor Driven	1	1	1	1	1	1	
MUFFLER GROUP									
1	155A205	Elbow, Exhaust				1	1	1	**
2	155B185	Tube, Exhaust - Flexible				1	1	1	**
3	78021	Clamp, Exhaust Pipe - Includes Bolts	1	1	1	1	1	1	**
4	155B164	Elbow, Exhaust	1	1	1				**
5	505-32	Coupling, Pipe - 1-1/2"	1	1	1				**
6	505-162	Nipple, Pipe - 1-1/2" x 14"	1	1	1				**

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

7	505-43	Elbow, Pipe - 1-1/2"	1	1	1				1.15
8	115B77	Muffler	1	1	1	1	1	1	4.25
9	155B74	Bracket, Muffler	1	1	1				**
RADIATOR GROUP									
Fig. 6									
1	130B72	Radiator - Standard	1	1	1	1	1	1	**
1	130C73	Radiator - Solder Dipped (Corrosion Resistant)	1	1	1	1	1	1	**
2	130C59	Guard, Fan - Right	1	1	1				**
3	130C58	Guard, Fan - Left	1	1	1				**
4	503A2	Hose, Radiator - Upper	1	1	1	1	1	1	.85
5	503-23	Clamp, Hose - Upper Hose	2	2	2	2	2	2	.15
6	503-4	Clamp, Hose - Lower Hose	2	2	2	2	2	2	.15
7	503A1	Hose, Radiator - Lower	1	1	1	1	1	1	.85
8	504-3	Valve, Radiator Drain	1	1	1	1	1	1	.90
9	309-11	Thermostat	1	1	1	1	1	1	2.50
WATER PUMP GROUP									
Fig. 7									
	8N-8501	* Pump, Water - Replaces 2N-8501 and 9N-8501	1	1	1	1	1	1	14.30
1	76220	Gasket, Water Pump to Cylinder Block	1	1	1	1	1	1	.15
2	8N-8508	Cover, Water Pump - Beginning W/Serial #417757	1	1	1	1	1	1	
2	9N-8508	Cover, Water Pump - Prior to Serial #417757	1	1	1	1	1	1	.20
3	76251	Gasket, Water Pump Cover	1	1	1	1	1	1	.15
4	2N-8516	Impeller, Water Pump	1	1	1	1	1	1	1.20
5	2N-8564	Seal, Water Pump	1	1	1	1	1	1	
6	7HA-8576	Retainer, Water Pump Bearing	1	1	1	1	1	1	.15
7	2N-8578	Bearing and Shaft	1	1	1	1	1	1	3.25
8	2N-8505	Body, Water Pump	1	1	1	1	1	1	
9	511-12	Belt, Fan	1	1	1	1	1	1	1.75
10	2N-8610	Pulley, Fan	1	1	1	1	1	1	2.40
11	75859	Fan, Radiator	1	1	1	1	1	1	6.00
12	516-55	Pin, Idler Stud	1	1	1	1	1	1	.15
13	75757B	Arm, Idler Pulley	1	1	1	1	1	1	**

* Pump #9N-8501 used prior to 1948 - Pump parts are not interchangeable.
 **Price on request.

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
WATER PUMP GROUP (CONT.) Fig. 7									
14	75690B	Bracket, Idler to Cyl. Block	1	1	1	1	1	1	6.50
15	75760	Ring, Idler Pulley Lock	1	1	1	1	1	1	.15
16	510A35	Bearing, Idler Puller	1	1	1	1	1	1	3.25
17	75756	Stud, Idler Pulley	1	1	1	1	1	1	1.50
18	75755B	Pulley, Idler	1	1	1	1	1	1	3.75
19	130A94	Screw, Belt Tension Adjusting	1	1	1	1	1	1	**
IGNITION GROUP Fig. 8									
1	416A71	Cable, Battery - 36 Inch				2	2	2	1.40
2	416-14	Cable, Battery - 15 Inch	2	2	2				1.10
3	416-1	Cable, Battery Jumper - 5 Inch	1	1	1	1	1	1	1.00
4	7RA-12297	Grommet, Wire Bracket - Not used on all plants	1	1	1	1	1	1	.15
5	8N-12112-B	Bracket, Hi-Tension Wires - Not used on all plants	1	1	1	1	1	1	
6	167-4	Spark Plug	4	4	4	4	4	4	.80
7	167-9	Gasket, Spark Plug and Adapter	8	8	8	8	8	8	.15
8	167A1093	Wire, Spark Plug - #1 - Beginning W/Serial #417757	1	1	1	1	1	1	**
9	167A1070	Wire, Spark Plug - #2 - Beginning W/Serial #417757	1	1	1	1	1	1	.35
10	167A1077	Wire, Spark Plug - #3 - Beginning W/Serial #417757	1	1	1	1	1	1	**
11	167A1111	Wire, Spark Plug - #4 - Beginning W/Serial #417757	1	1	1	1	1	1	**
12	8N-12127	Distributor, Ignition - Beginning W/Serial #417757	1	1	1	1	1	1	
12	166A59	Distributor, Ignition - Prior to Serial #417757	1	1	1	1	1	1	16.00
13	7HA-12273	Clamp, Distributor Timing - Beginning W/Serial #417757....	1	1	1	1	1	1	.25
14	8N-12106	Cap, Distributor - Beginning W/Serial #417757	1	1	1	1	1	1	
14	5927	Cap, Distributor - Prior to Serial #417757	1	1	1	1	1	1	1.40
15	160A186	Clamp, Distributor	1	1	1	1	1	1	1.50
16	7RA-12171	Point Set, Distributor - Beginning W/Serial No. 417757.....	1	1	1	1	1	1	1.20

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

16	18906	Point Set, Distributor - Prior to Serial #417757	1	1	1	1	1	1	1.70
17	7RA-12200	Rotor, Distributor - Beginning W/Serial #417757	1	1	1	1	1	1	.45
17	5924	Rotor, Distributor - Prior to Serial #417757	1	1	1	1	1	1	.85
18	166A75	Gear, Distributor - Prior to Serial #417757	2	2	2	2	2	2	**
19	166A78	Gasket, Distributor - Prior to Serial #417757	1	1	1	1	1	1	.15
20	7RA-12300-B	Condenser, Distributor - Beginning W/Serial #417757	1	1	1	1	1	1	.65
20	312-10	Condenser, Distributor - Prior to Serial #417757	1	1	1	1	1	1	.90
21	160A181	Shaft, Distributor Drive - Prior to Serial #417757	1	1	1	1	1	1	2.50
22	166-92	Coil, Ignition	1	1	1	1	1	1	7.00
23	166A33	Bracket, Coil Clamp Mounting	1	1	1	1	1	1	**
24	166B102	Spacer, Coil Clamp	1	1	1	1	1	1	**
25	166B101	Clamp, Coil Mounting	1	1	1	1	1	1	**
26	312A74	Condenser, Coil - Replaces 312A15	1	1	1	1	1	1	**
27	167A1077	Lead, Spark Plug - #1 - Prior to Serial #417757	1	1	1	1	1	1	**
28	167A1078	Lead, Spark Plug - #2 - Prior to Serial #417757	1	1	1	1	1	1	**
29	167A1079	Lead, Spark Plug - #3 - Prior to Serial #417757	1	1	1	1	1	1	**
30	167A1080	Lead, Spark Plug - #4 - Prior to Serial #417757	1	1	1	1	1	1	**
31	314-32	Suppressor - "L"	4	4	4	4	4	4	.30
32	314-6	Suppressor - Straight	1	1	1	1	1	1	.30
33	167C26	Conduit, Spark Plug Leads - Prior to Serial #417757	1	1	1	1	1	1	**
34	76222	Gasket, Distributor Gearcase - Prior to Serial #417757	1	1	1	1	1	1	.15
35	160C179	Gearcase, Distributor Drive - Prior to Serial #417757	1	1	1	1	1	1	10.00
36	103A52	Gasket, Gearcase Cover - Prior to Serial #417757	1	1	1	1	1	1	.15
37	160A180	Cover, Gearcase - Prior to Serial #417757	1	1	1	1	1	1	1.65
38	520A185	Stud, Distributor Drive Thrust - Prior to Serial #417757	1	1	1	1	1	1	.25
39	167A42	Adapter, Spark Plug	4	4	4	4	4	4	.75

Mounted FUEL TANK GROUP
Fig. 9

159K200	Kit, Fuel Tank - For Housed Plant - Contains the Following Parts:	1	1	1					**
1	193K1	Kit, Fuel Gauge - Tank and Panel Units	1	1	1				7.00
2	336A345	Wire, Fuel Gauge	1	1	1				**
3	123A250	Cap, Breather Pipe	1	1	1				.25
4	505-133	Nipple, Breather Pipe	1	1	1				**
5	159B20	Cap, Fuel Tank	1	1	1				1.00

**Price on request.

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
MOUNTED FUEL TANK GROUP (CONT.) Fig. 9									
6	159B68	Rod, Fuel Tank Tie	2	2	2				**
7	159D70	Tank Assembly, Fuel	1	1	1				**
8	502-20	Elbow, Fuel Line	1	1	1				.50
9	505-49	Elbow, Street	2	2	2				**
10	504-4	Valve, Fuel Shut Off	1	1	1				4.45
11	502-46	Nipple, Close	1	1	1				.30
12	501-9	Line, Fuel	1	1	1				1.35
13	149-12	Filter, Fuel	1	1	1				1.35
14	149-157	Gasket, Fuel Filter Bowl	1	1	1				.20
SEPARATE FUEL TANK GROUP Fig. 10									
1	415A10	Tank, Fuel - 5 Gallon				1	1	1	3.50
2	504A13	Valve, Shut Off				1	1	1	1.50
3	501-9	Line, Fuel				1	1	1	1.35
FUEL SYSTEM GROUP-GASOLINE Fig. 11									
1	140-150	Cleaner, Air	1	1	1	1	1	1	11.00
2	140A153	Bracket, Air Cleaner Tube	1	1	1	1	1	1	2.00
3	140B148	Tube, Air Cleaner	1	1	1	1	1	1	**
4	140A154	Clamp, Air Cleaner Tube	1	1	1	1	1	1	**
5	503-11	Clamp, Air Hose	2	2	2	2	2	2	.15
6	503-88	Hose, Air Cleaner Tube	1	1	1	1	1	1	**
7	142C180	Carburetor	1	1	1	1	1	1	14.00
8	501-3	Line, Fuel - Pump to Carburetor	1	1	1	1	1	1	.85

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

9	502-3	Connector, Fuel Lines to Pump Elbow	2	2	2	2	2	2	.25
10	149A262	Elbow, Fuel Pump	2	2	2	2	2	2	**
11	149-67	Pump, Fuel - Less Fittings	1	1	1	1	1	1	6.75
12	149A277	Gasket, Fuel Pump Mounting	1	1	1	1	1	1	.15
13	518-47	Clip, Choke Rod End	1	1	1	1	1	1	**
14	153A108	Rod, Choke Control	1	1	1	1	1	1	**
15	518-5	Clip, Choke Rod End	1	1	1	1	1	1	.15
16	153-87	Control, Choke - Automatic - 12 Volt	1	1	1	1	1	1	6.00
17	153-26	Gasket, Choke Control	1	1	1	1	1	1	**
18	154A49	Gasket, Carburetor Mounting	2	2	2	2	2	2	.20
19	145A66	Flange, Carburetor Adapter	1	1	1	1	1	1	**

FUEL SYSTEM GROUP - GAS
Fig. 12

148K61 Kit, Conversion - Gasoline to Gas - Contains the following parts (For battery ignition plants only.)									
1	140B56	Tube, Air Cleaner	1	1	1				**
2	140B65	Bracket, Air Cleaner Tube	1	1	1				**
3	148B47	Choke Elbow Assembly	1	1	1				**
4	154A49	Gasket, Carburetor Mounting	2	2	2				.20
5	142C171	Carburetor Assembly - Gas, Gasoline	1	1	1				**
6	503-32	Clamp, Hose	2	2	2				**
7	503-84	Hose, Rubber	1	1	1				**
8	505A10	Nipple, Half	1	1	1				.20
9	505-38	Elbow, 90 Degree - Regulator	2	2	2				**
10	505-71	Nipple - 2"	1	1	1				**
11	502-20	Elbow, Street - Carburetor Inlet	1	1	1				.50
12	505-99	Nipple, Close - Regulator	1	1	1				**
13	505-20	Bushing, Reducer - Regulator	1	1	1				**
14	148-9	Regulator, Gas - Atmospheric Type	1	1	1				16.50
15	148A117	Bracket, Regulator Mounting	1	1	1				**
16	153-26	Gasket, Automatic Choke	1	1	1				**
17	153A20	Lock Assembly, Automatic Choke	1	1	1				**
	140A154	Clamp, Air Cleaner Tube to Bracket (not included in kit) see ref. #4, Fig. 11	1	1	1				**

**Price on request.

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
CARBURETOR GROUP Fig. 15									
	142C180	Carburetor - Gasoline Only	1	1	1	1	1	1	14.40
1	142-85	Needle, Idle Adjusting	1	1	1	1	1	1	**
2	142-76	Spring, Idle Needle	1	1	1	1	1	1	**
3	142-122	Body Assembly, Throttle	1	1	1	1	1	1	5.55
4	142-67	Screw, Body to Bowl	4	4	4	4	4	4	.15
5	142-90	Nozzle, Discharge	1	1	1	1	1	1	.60
6	142-70	Gasket, Washer, Main Nozzle	1	1	1	1	1	1	.15
7	142-118	Jet, Main	1	1	1	1	1	1	.25
8	142-116	Needle, Main Adjusting	1	1	1	1	1	1	.50
9	142-71	Gasket, Main Adjusting Needle	1	1	1	1	1	1	.15
10	142-77	Spring, Main Adjusting Needle	1	1	1	1	1	1	.15
11	142-62	Screw, Throttle Valve	2	2	2	2	2	2	**
12	142-60	Valve, Throttle	1	1	1	1	1	1	**
13	142-78	Spring, Main Adjusting Needle Ratchet	1	1	1	1	1	1	.15
14	142-59	Shaft and Lever Assembly, Throttle	1	1	1	1	1	1	1.25
15	142-69	Gasket, Body to Bowl	1	1	1	1	1	1	.15
16	148A17	Gasket, Washer - Float Valve Seat	1	1	1	1	1	1	.15
17	142-75	Spring, Throttle Stop Screw	1	1	1	1	1	1	**
18	142-64	Screw, Throttle Stop	1	1	1	1	1	1	**
19	142-92	Jet, Economizer	1	1	1	1	1	1	**
20	142-119	Jet, Idle	1	1	1	1	1	1	**
21	142-117	Venturi	1	1	1	1	1	1	.40
22	142-106	Valve Assembly, Fuel Inlet	1	1	1	1	1	1	1.10
23	142-84	Shaft, Float	1	1	1	1	1	1	.15
24	142-83	Float Assembly	1	1	1	1	1	1	1.15
25	142-109	Bowl Assembly	1	1	1	1	1	1	**
26	142-61	Screw, Choke Valve	2	2	2	2	2	2	**
27	142-112	Valve, Choke	1	1	1	1	1	1	.60

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

28	141A162	Lever, Choke Shaft	1	1	1	1	1	1	**
29	142A277	Shaft, Choke	1	1	1	1	1	1	**
30	145A36	Bushing	1	1	1	1	1	1	**
31	142-88	Packing, Choke Shaft	1	1	1	1	1	1	**
	142-110	Kit, Gasket	1	1	1	1	1	1	.25
CONTROL GROUP HOUSED PLANTS Fig. 14									
1	301C327	Panel, Right Hand - Engine Control Half	1	1	1				**
2	301C331	Panel, Left Hand - Electrical Meter Half	1						**
2	301C330	Panel, Left Hand - Electrical Meter Half		1	1				**
3	322-5	Light, Pilot	1	1	1				2.50
4	193-24	Gauge, Engine Oil Pressure - Panel Element	1	1	1				3.00
5	193-22	Gauge, Engine Water Temperature - Panel Element	1	1	1				3.00
6	302-41	Voltmeter - 0-300 Volts	1	1	1				18.00
7	302-7	Ammeter - 0-50 Amps	2						15.50
7	302-124	Ammeter - 0-35 Amps		1	1				**
8	302-58	Ammeter, Charge - 10-0-10 Amps	1	1	1				2.50
9	193-11	Gauge, Fuel - Panel Element	1	1	1				2.50
10	193-30	Divider, Voltage	1	1	1				2.25
11	308-9	Switch, Push - Start and Stop	1	1	1				3.50
12	323-48	Receptacle, Duplex Twistite	1						.90
13	320-42	Breaker, Circuit - 50 Amps - 2 Pole	1						**
13	320-54	Breaker, Circuit - 5 Amps - 3 Pole		1	1				**
14	308-5	Switch, Toggle - Ignition	1	1	1				.90
15	308-2	Switch, Toggle - Panel Light	1	1	1				.75
16	304-37	Resistor, Charge Circuit - 6 Ohm, 75 Watt	3	3	3				2.00
17	308-22	Switch, Meter Selector		1	1				**
18	305-1	Regulator, Voltage	1	1	1				5.00
19	304-32	Resistor, Charge Relay - 15 Ohm, 10 Watt	1	1	1				.60
20	307-180	Relay, Reverse Current	1	1	1				4.00
21	307-4	Relay, Start-Stop	1	1	1				4.25
22	332-54	Block, Terminal - 8 Place	1	1	1				3.00
23	304-99	Resistor - 5000 Ohms			1				1.00
24	302-123	Transformer, Current		3	3				**
25	302-68	Meter, Running Time	1	1	1				17.50

**Price on request.

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
CONTROL GROUP HOUSED PLANTS (CONT.) Fig. 14									
26	301C446	Panel, Time Meter Mtg.	1	1	1				**
27	322-4	Lamp, Pilot Light - 12 Volt	1	1	1				.25
28	332A20	Stud, Output Terminal - Insulated	2	3	3				.25
29	332A35	Stud, Output Terminal - Grounded	1	1					.20
30	332A21	Block, Output Terminal Stud	2	3	3				.50
31	332A22	Bushing, Terminal Block,	2	3	3				.20
32	332-142	Terminal, Solderless	3	4	3				.20
33	312A15	Condenser, Output Terminal - .1 Mfd	2	3					.75
34	312-16	Condenser, Output Terminal - .01 Mfd.			3				.60
35	304-74	Resistor, Field Discharge		1	1				3.75
	1741	Cable, 3 Wire - Remote Control Per ft.							.035
36	307-40	Switch, Start Solenoid	1	1	1				3.50
37	306A28	Relay, Start Disconnect	1	1	1				7.50
38	193-23	Gauge, Engine Water Temperature - Engine Element	1	1	1				3.00
39	193-25	Gauge, Oil Pressure - Engine Element	1	1	1				3.00
40	309-1	Switch, High Water Temperature - Ignition Cut Off	1	1	1				16.50
41	307B81	Relay, Auto. Choke	1	1	1				3.50
42	308-40	Switch - Remote Start & Stop Control	1	1	1				1.25
CONTROL GROUP - UNHOUSED PLANTS Fig. 15									
1	301B657	Box, Resistor Mounting				1	1	1	**
2	304-37	Resistor				3	3	3	2.00
3	305B1	Regulator, Voltage				1	1	1	5.00
4	304-32	Resistor				1	1	1	.60
5	520A191	Stud, Resistor Mounting				3	3	3	**
6	307B4	Relay, Stop				1	1	1	4.25

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

7	332-222	Block, Terminal				1	1	1	.50
8	307-40	Switch, Start Solenoid				1	1	1	3.50
9	332-282	Terminal, Battery - Positive				1	1	1	**
10	332-283	Terminal, Battery - Negative				1	1	1	**
11	306A28	Relay, Start Disconnect				1	1	1	7.50
12	308-5	Switch, Toggle - Remote - Hand Crank				1	1	1	.90
13	302-58	Ammeter, Charge				1	1	1	2.50
14	308-26	Switch, Start-Stop				1	1	1	2.00
15	307B180	Relay, Reverse Current				1	1	1	4.00
16	301C202	Cover, Control Box				1	1	1	**
17	301C683	Box, Control				1	1	1	**
18	301A407	Bracket, Control Box Mounting				1	1	1	**
19	301C143	Cover, Terminal Box				1	1	1	**
20	301C622	Box, Terminal				1	1	1	**
21	508-9	Grommet - 1" ID				2	2	2	.15
22	508-21	Grommet - 1/2" ID				3	3	3	**
23	508-2	Grommet - 3/8" ID				2	2	2	.15
24	308-40	Switch, Remote Start & Stop Control				1	1	1	1.25
25	307-81	Relay, Auto. Choke				1	1	1	3.50

GENERATOR GROUP
Fig. 16

1	221A4	Shoe, Pole - Exciter Field	4	4	4	4	4	4	**
2	222A1036	Coil Assembly, Field - Exciter - Set of 4 Coils	1	1	1	1	1	1	42.50
3	232B55	Cover, Bearing	1	1	1	1	1	1	**
4	232A57	Gasket, Bearing Cover	1	1	1	1	1	1	.35
5	211C11	Bell, End	1	1	1	1	1	1	15.00
6	232B122	Band, End Bell	1	1	1	1	1	1	**
7	403A127	Spacer, Generator	2	2	2	2	2	2	**
8	232B84	Cover, Generator	1	1	1	1	1	1	**
9	220A73	* Stator Assembly, Alternator - Winding and Laminations	1			1			**
9	220A74	* Stator Assembly, Alternator - Winding and Laminations		1			1		**
9	220A75	* Stator Assembly, Alternator - Winding and Laminations			1			1	**
10	75674	Ring, Air Baffle	1	1	1	1	1	1	**
11	231D22	Adapter, Generator to Engine	1	1	1	1	1	1	**
12	214A15	Brush, Commutator	4	4	4	4	4	4	1.75

*For 60 cycle generators only. For 50 cycle order by description, giving all nameplate information.

**Price on request.

REF. NO.	PART NO.	DESCRIPTION	QUANTITY USED						PRICE EACH
			A	B	C	D	E	F	
GENERATOR GROUP (CONT.)									
Fig. 16									
13	214A8	Brush, Collector Ring	4	4	4	4	4	4	.75
14	212A1004	Spring, Collector Ring Brush	4	4	4	4	4	4	.25
14	212A1011	Spring, Commutator Brush	4	4	4	4	4	4	.25
15	312A27	Condenser - .5 Mfd.	2	2	2	2	2	2	.90
16	212C47	Rig Assembly, Brush - Includes Brushes and Springs	1	1	1	1	1	1	**
17	232A333	Clip, Bearing Retaining	1	1	1	1	1	1	.15
18	75584	Blower, Generator	1	1	1	1	1	1	8.50
19	510A32	Bearing, Ball	1	1	1	1	1	1	**
20	201A351	Rotor Assembly, Wound - Incl. Drive Disc, Alternator Field, Exciter Armature, and Ball Bearing	1	1	1	1	1	1	**
21	520A362	Stud - Alt. Frame to Adapter	6	6	6	6	6	6	**
22	402-27	Cushion, Generator Mounting	2	2	2	2	2	2	**
HOUSING GROUP									
Fig. 17									
1	403D121	Chassis, Mounting	1	1	1				**
2	405C237	Panel, Chassis Rear End	1	1	1				**
3	405B321	Grille, Ventilating	3	3	3				**
4	405B293	Grille, Ventilating	2	2	2				**
5	405C236	Support, Battery	1	1	1				**
6	405C234	Panel, Front End	1	1	1				**
7	405D240	Panel, Rear End	1	1	1				**
8	405C148	Casting, Top End	2	2	2				**
9	405C211	Cover, Top End	2	2	2				**
10	405C375	Plate, Top	1	1	1				**
11	416B87	Tray, Battery	1	1	1				**

WHEN ORDERING PARTS BE SURE TO INCLUDE MODEL AND SERIAL NUMBER OF UNIT!

12	416B61	Frame, Battery Hold Down	1	1	1				**
13	405A216	Cover, Bearing Inspection	1	1	1				**
14	406-2	Knob, Covers and Panel Door	3	3	3				.30
15	405D386	Panel, Door - Right	1	1	1				**
16	405D376	Panel, Door - Left	1	1	1				**
17	406-9	Handle, Door	4	4	4				1.00
18	403B140	Bracket, Engine Mounting	1	1	1				**
19	402-10	Cushion, Engine Mounting - Lower	1	1	1				1.00
20	402-12	Cup, Lower Cushion	1	1	1				**
21	402-11	Cushion, Engine Mounting - Upper	1	1	1				.50
22	402A68	Pin, Engine Mounting	1	1	1				**

MOUNTING GROUP - UNHOUSED PLANT
Fig. 18

1	405D443	Casting, Radiator Top				1	1	1	**
2	405C458	Panel, Radiator Side - Left				1	1	1	**
3	405C449	Panel, Radiator Side - Right				1	1	1	**
4	405C450	Grille, Radiator Front				1	1	1	**
5	405C459	Grille, Radiator Rear - Top				1	1	1	**
6	405C460	Grille, Radiator Rear - Bottom				1	1	1	**
7	405C447	Support, Engine and Radiator				1	1	1	**
8	405C445	Panel, Side - Left				1	1	1	**
9	405C446	Panel, Side - Right				1	1	1	**
10	405C448	Panel, Front				1	1	1	**

SERVICE KITS

168K19	Kit, Gasket	1	1	1	1	1	1	4.75
149K106	Kit, Fuel Pump Repair	1	1	1	1	1	1	1.60
110K278	Kit, Valve Grind Parts	1	1	1	1	1	1	**

**Price on request.

